IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Currently Amended) An antenna device having an open end, the antenna device comprising:

four linear elements, each of which has a length equivalent to a half wavelength of an operating frequency, the elements being placed ~~so that they may draw~~ in a diamond shape on a plane,

a feeding section that feeds power to one end of a first linear element and one end of a second linear element, the feeding section being put at one of the apexes of ~~a~~ the diamond shape,

a first delay section connected to the other end of the first linear element and one end of a third linear element for delaying the phase of an antenna current by a given phase,

a second delay section connected to the other end of the second linear element and one end of a fourth linear element for delaying the phase of an antenna current by the same phase as that of the first delay section, and

a reflector placed at a given distance in parallel to ~~a~~ the plane, on which the linear elements have been placed.

2. (Currently Amended) The antenna device according to claim 1, wherein the first delay section and the second delay section have a length within a given range~~,~~ and the first and second delay sections being linear elements having a bent form.

3. (Original) The antenna device according to claim 1, wherein the first delay section and the second delay section are lumped constant parts.

4. (Currently Amended) The antenna device according to claim 1, further comprising~~:~~ at least one director element having a length equivalent to a half wavelength of an operating frequency or less, the director element being placed at a given distance from ~~an~~ the open end. ~~of the linear element.~~

5. (Canceled).

6. (Currently Amended) An antenna device comprising:

a dielectric substrate with a given dielectric constant,

a conductor layer formed on the dielectric substrate,

~~a~~ diamond-shape slot ~~element~~ elements formed on the conductor substrate, of which each side of the diamond shape has

a length equivalent to a half wavelength of an operating frequency,

~~the~~ a first delay section and ~~the~~ a second delay section~~, which have been placed~~ disposed at each of opposite apex pairs of the diamond shape to delay the phase of an antenna current,

~~the~~ a feeding section~~, which have been placed~~ disposed on either of another one of the opposite apex pairs of the diamond shape~~,~~ for feeding power to the slot elements,

a termination part formed at the other of another one of the opposite apex pairs of the diamond shape, for terminating the slot elements, and

~~the~~ a reflector placed beyond the substrate at a given distance from and in parallel to the conductor layer.

7. (Currently Amended) The antenna device according to claim 6, wherein the first delay section and the second delay section are ~~the~~ slot elements, having a bent form with a length within ~~the~~ a given range, which are formed on the conductor layer.

8. (Original) The antenna device according to claim 6, wherein the feeding section feeds power using a micro strip line

laid on a rear plane of the substrate, on which the conductor layer has been formed.

9. (Currently Amended) The antenna device according to claim 6 comprising~~:~~ at least one director slot element, with a length equivalent to a half wavelength of an operating frequency or less, which has been formed at a given distance from the termination part. ~~of the slot element.~~

10. (Currently Amended) A sector antenna device, wherein a plurality of antenna devices according to claim 1 are used, the antenna devices being placed on a plane while being shifted at equal ~~angle~~ angles from each other.

11. (Original) The antenna device according to claim 10, wherein six antenna devices have been placed in a row on a given rectangular plane, the six antenna devices being shifted by 60° from each other.